

Substitute for Form 1449/PTO				<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/743,213	
				Filing Date	December 22, 2003	
				First Named Inventor:	Manav Mishra et al.	
				Art Unit	2613	
				Examiner Name	Nathan M. Curs	
Sheet	1	of	11	Attorney Docket Number	42P16846	
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
	1	US-	4,663,748	05/05/1987	Karbowiak et al.	
	2	US-	5,235,592	08/10/1993	Cheng et al.	
	4	US-	5,331,642	07/19/1994	Valley et al.	
	4	US-	5,457,556	10/10/1995	Shiragaki	
	5	US-	5,506,712	04/09/1996	Sasayama et al.	
	6	US-	5,550,803	08/27/1996	Crayford et al.	
	7	US-	5,559,796	09/24/1996	Edem et al.	
	8	US-	5,646,943	07/08/1997	Elwalid	
	9	US-	5,768,274	06/16/1998	Murakami et al.	
	10	US-	5,838,663	11/17/1998	Elwalid et al.	
	11	US-	5,970,050	10/19/1999	Johnson	
	12	US-	5,978,356	11/02/1999	Elwalid et al.	
	15	US-	6,111,673	08/29/2000	Chang et al.	
	10	US-	6,222,839 B1	04/24/2001	Nakazaki et al.	
	15	US-	6,260,155 B1	07/10/2001	Dellacona	
	10	US-	6,271,946 B1	08/07/2001	Chang et al.	
	17	US-	6,272,117 B1	08/07/2001	Choi et al.	
	10	US-	6,325,636 B1	12/04/2001	Hipp et al.	
	13	US-	6,339,488 B1	01/15/2002	Beshai et al.	
	24	US-	6,400,863 B1	06/04/2002	Weinstock et al.	
	21	US-	6,411,506 B1	06/25/2002	Hipp et al.	
	27	US-	6,421,720	07/16/2002	Fitzgerald	
	25	US-	6,466,586 B1	10/15/2002	Darveau et al.	
	24	US-	6,487,686 B1	11/26/2002	Yamazaki et al.	
	25	US-	6,490,292 B1	12/03/2002	Matsuzawa	
	26	US-	6,498,667 B1	12/24/2002	Masucci et al.	
	27	US-	6,519,062 B1	02/11/2003	Yoo	
	23	US-	6,519,255 B1	02/11/2003	Graves	
	24	US-	6,525,850 B1	02/25/2003	Chang et al.	
	30	US-	6,542,499 B1	04/01/2003	Murphy et al.	
	31	US-	6,545,781 B1	04/08/2003	Chang et al.	

Examiner Signature	Date Considered
-----------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO				<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/743,213	
				Filing Date	December 22, 2003	
				First Named Inventor:	Manav Mishra et al.	
				Art Unit	2613	
				Examiner Name	Nathan M. Curs	
Sheet	2	of	11	Attorney Docket Number	42P16846	
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
	32	US-	6,603,893 B1	08/05/2003	Liu et al.	
	33	US-	6,615,382 B1	09/02/2003	Kang et al.	
	33	US-	6,665,495 B1	12/16/2003	Miles et al.	
	35	US-	6,671,256	12/30/2003	Xiong et al.	
	36	US-	6,674,558 B1	01/06/2004	Chang et al.	
	37	US-	6,690,036 B2	02/10/2004	Liu et al.	
	38	US-	6,697,374 B1	02/24/2004	Shraga et al.	
	39	US-	6,721,271 B1	04/13/2004	Beshai et al.	
	40	US-	6,721,315 B1	04/13/2004	Xiong et al.	
	41	US-	6,839,322 B1	01/04/2005	Smith	
	42	US-	6,842,424 B1	01/11/2005	Key et al.	
	33	US-	6,873,797 B2	03/29/2005	Chang et al.	
	49	US-	6,898,205 B1	05/24/2005	Chaskar et al.	
	49	US-	6,925,257 B1	08/02/2005	Yoo	
	49	US-	6,940,863 B2	09/06/2005	Xue et al.	
	47	US-	6,956,868 B2	10/18/2005	Qiao	
	49	US-	6,987,770 B1	01/17/2006	Yonge, III	
	49	US-	6,996,059	02/07/2006	Tonogai	
	50	US-	6,990,071 B2	01/24/2006	Adam et al.	
	51	US-	7,023,846 B1	04/04/2006	Andersson et al.	
	52	US-	7,035,537 B2	04/25/2006	Wang et al.	
	54	US-	7,092,633	08/15/2006	Fumagalli et al.	
	54	US	7,106,968 B2	09/12/2006	Lahav et al.	
	58	US	2002/0018263 A1	02/14/2002	Ge et al.	
	58	US-	2002/0018468 A1	02/14/2002	Nishihara	
	57	US-	2002/0023249 A1	02/21/2002	Temullo et al.	
	58	US-	2002/0024700 A1	02/28/2002	Yokoyama et al.	
	54	US-	2002/0027686 A1	03/07/2002	Wada et al.	
	50	US-	2002/0063924 A1	05/30/2002	Kimbrough et al.	
	61	US-	2002/0109878 A1	08/15/2002	Qiao	
	62	US-	2002/0118419 A1	08/29/2002	Zheng et al.	

Examiner Signature	Date Considered
-----------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>					<b>Complete if Known</b>	
					Application Number	10/743,213
					Filing Date	December 22, 2003
					First Named Inventor:	Manav Mishra et al.
					Art Unit	2613
					Examiner Name	Nathan M. Curs
					Attorney Docket Number	42P16846
Sheet	3	of		11		
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (If known)				
	63	US-	2002/0126337 A1	09/12/2002	Uematsu et al.	
	64	US-	2002/0141400 A1	10/03/2002	DeMartino	
	64	US-	2002/0150099 A1	10/17/2002	Pung et al.	
	66	US-	2002/0154360 A1	10/24/2002	Liu	
	67	US-	2002/0159114 A1	10/31/2002	Sehasrabuddhe et al.	
	64		2002/0186433 A1	12/12/2002	Mishra	
	69	US-	2002/0186695 A1	12/12/2002	Schwartz et al.	
	70	US-	2002/0196808 A1	12/26/2002	Karri et al.	
	71	US-	2003/0002499 A1	01/02/2003	Cummings et al.	
	72	US-	2003/0009582 A1	01/09/2003	Qiao et al.	
	73	US-	2003/0016411 A1	01/23/2003	Zhou et al.	
	73	US-	2003/0031198 A1	02/13/2003	Curri van et al.	
	73	US-	2003/0037297 A1	02/20/2003	Araki	
	73	US-	2003/0039007 A1	02/27/2003	Ramadas et al.	
	72	US-	2003/0043430 A1	03/06/2003	Handelman	
	78	US-	2003/0048506 A1	03/13/2003	Handelman	
	73	US-	2003/0053475 A1	03/20/2003	Veeraraghavan et al.	
	84	US-	2003/0067880 A1	04/10/2003	Chiruvolu	
	81	US-	2003/0099243 A1	05/29/2003	Oh et al.	
	82	US-	2003/0120799 A1	06/26/2003	Lahav et al.	
	83	US-	2003/0189933 A1	10/09/2003	Ozugur et al.	
	84	US-	2003/0198471 A1	10/23/2003	Ovadia	
	85	US-	2003/0214979 A1	11/20/2003	Kang et al.	
	85	US-	2004/0004966 A1	01/08/2004	Foster et al.	
	87	US-	2004/0052525 A1	03/18/2004	Ovadia	
	88	US-	2004/0062263 A1	04/01/2004	Charcranoon et al.	
	89	US-	2004/0120261 A1	06/24/2004	Ovadia	
	90	US-	2004/0131061 A1	07/08/2004	Matsuoka et al.	
	91	US-	2004/0156325 A1	08/12/2004	Perkins et al.	
	92	US-	2004/0156390 A1	08/12/2004	Prasad et al.	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>					<b>Complete if Known</b>	
					Application Number	10/743,213
					Filing Date	December 22, 2003
					First Named Inventor:	Manav Mishra et al.
					Art Unit	2613
					Examiner Name	Nathan M. Curs
Sheet	4	of	11	Attorney Docket Number		42P16846
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
	93	US-	2004/0170165 A1	09/02/2004	Maciocco et al.	
	94	US-	2004/0170431 A1	09/02/2004	Maciocco et al.	
	95	US-	2004/0208171 A1	10/21/2004	Ovadia et al.	
	96	US-	2004/0208172 A1	10/21/2004	Ovadia et al.	
	93	US-	2004/0208544 A1	10/21/2004	Ovadia	
	98	US-	2004/0208554 A1	10/21/2004	Wakai et al.	
	95	US-	2004/0234263 A1	11/25/2004	Ovadia et al.	
	100	US-	2004/0252995 A1	12/16/2004	Ovadia et al.	
	101	US-	2004/0258407 A1	12/23/2004	Maciocco et al.	
	102	US-	2004/0264960 A1	12/30/2004	Maciocco et al.	
	103	US-	2005/0030951 A1	02/10/2005	Maciocco et al.	
	109	US-	2005/0063701 A1	03/24/2005	Ovadia et al.	
	109	US-	2005/0068968 A1	03/31/2005	Ovadia et al.	
	100	US-	2005/0068995 A1	03/31/2005	Lahav et al.	
	107	US-	2005/0089327 A1	04/28/2005	Ovadia et al.	
	109	US-	2005/0105905 A1	05/19/2005	Ovadia et al.	
	109	US-	2005/0152349 A1	07/14/2005	Takeuchi et al.	
	110	US-	2005/0175183 A1	08/11/2005	Ovadia et al.	
	111	US-	2005/0175341 A1	08/11/2005	Ovadia	
	112	US-	2005/0177749 A1	08/11/2005	Ovadia	
	113	US-	2005/0259571 A1	11/24/2005	Battou	
	113	US-	2006/0008273 A1	01/12/2006	Xue et al.	
		US-				
		US-				
		US-				
		US-				
		US-				

Examiner Signature	Date Considered
-----------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Complete if Known**

Application Number	10/743,213
Filing Date	December 22, 2003
First Named Inventor:	Manav Mishra et al.
Art Unit	2613
Examiner Name	Nathan M. Curs
Attorney Docket Number	42P16846

Sheet	5	of	11
-------	---	----	----

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /NC/  
Based on Form PTO/SB/08B (04-03) as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 05/09/03

<b>Substitute for Form 1449/PTO</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/743,213
				Filing Date	December 22, 2003
				First Named Inventor:	Manav Mishra et al.
				Art Unit	2613
				Examiner Name	Nathan M. Curs
<b>Sheet</b>	6	<b>of</b>	11	Attorney Docket Number	42P16846
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
	133	O'MAHONY, MIKE J. et al., "The Application of Optical Packet Switching in Future Communication Networks", IEEE Communications Magazine, March 2001, pp. 128-135.			
	134	YAO, SHUN et al., "All-Optical Packet Switching for Metropolitan Area Networks: Opportunities and Challenges", IEEE Communications Magazine, March 2001, pp. 142-148.			
	135	QIAO, CHUNMING DR. et al., "Optical Burst Switching", Business Briefing: Global Photonics Applications and Technology, 1999, pp. 108-112.			
	136	QIAO, CHUNMING "Labeled Optical Burst Switching for IP-over-WDM Integration", IEEE Communications Magazine, September 2000, pp. 104-114.			
	137	CARENA, A. et al., "OPERA: An Optical Packet Experimental Routing Architecture with Label Swapping Capability", Journal of Lightwave Technology, Vol. 16, No. 12, December 1998, pp. 2135-2145.			
	138	ZHONG, WEN DE, "A New Wavelength-Routed Photonic Packet Buffer Combining Traveling Delay Lines with Delay-Line Loops", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 19, No. 8, August 2001, pp. 1085-1092.			
	139	WIESMANN, D. et al., "Apodized Surface-Corrugated Gratings with Varying Duty Cycles", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 12, No. 6, June 2000, PP. 639-640.			
	140	HILL, KENNETH O. et al., "Fiber Bragg Grating Technology Fundamentals and Overview", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 15, No. 8, August 1997, pp. 1263-1276.			
	141	ERDOGAN, TURAN, "Fiber Grating Spectra", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 15, No. 8, August 1997, pp. 1277-1294.			
	142	SUGDEN, K. et al., "Fabrication and Characterization of Bandpass Filters Based on Concatenated Chirped Faber Gratings", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 15, No. 8, August 1997, pp. 1424-1432.			
	143	GILES, C.R., "Lightwave Applications of Fiber Bragg Gratings", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 15, No. 8, August 1997, pp. 1391-1404.			

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /NC/**

<b>Substitute for Form 1449/PTO</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/743,213
				Filing Date	December 22, 2003
				First Named Inventor:	Manav Mishra et al.
				Art Unit	2613
				Examiner Name	Nathan M. Curs
Sheet	7	of	11	Attorney Docket Number	42P16846
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
	144	WILLNER, A. E. et al., "Tunable Compensation of Channel Degrading Effects Using Nonlinearly Chirped Passive Fiber Bragg Gratings", IEEE Journal of Selected Topics in Quantum Electronics, Vol. 5, No. 5 September/October 1999, pp. 1298-1311.			
	145	STUDENKOV, P. V. et al., "Asymmetric Twin-Waveguide 1.55 $\mu$ m Wavelength Laser with a Distributed Bragg Reflector", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 12., No 5, May 2000, pp. 468-470.			
	146	SHIBATA, YASUO et al., "Coupling Coefficient Modulation of Waveguide Grating Using Sampled Grating", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 6, No. 10, October 1994, pp. 1222-1224.			
	147	CHASKAR, H. et al., "Robust Transport of IP Traffic Over WDM Using Optical Burst Switching," Optical Networks Magazine, July/August 2002, pp. 47-60.			
	148	OH, SE-YOON et al., "A Data Burst Assembly Algorithm in Optical Burst Switching Networks," ETRI Journal, Vol. 24, No. 4, August 2002, pp. 311-322, Electronics and Telecommunications Research Institute, Tejon, Korea.			
	149	IETF Network Working Group RFC Standards Track, "Generalized Multi-Protocol Label Switching (GMPLS) Signaling Functional Description," January 2003. Retrieved on July 8, 2004 from <a href="http://www.ietf.org/rfc/rfc3471.txt">http://www.ietf.org/rfc/rfc3471.txt</a>			
	150	LIU, HANG et al., "GMPLS-Based Control Plane for Optical Networks: Early Implementation Experience," Proceedings of the SPIE, Vol. 4872, July 29, 2002, pp. 220-229, SPIE, Bellingham, VA, US.			
	151	GREG BERNSTEIN et al., "OIF UNI 1.0 – Controlling Optical Networks", <a href="mailto:info@oiforum.com">info@oiforum.com</a> , 2001, pp. 1-3.			
	152	(ABSTRACT), "MPLS Technologies for IP Networking Solution", 2001, pp. 1-5.			
	153	GALLAHER, RICK, "An Introduction to MPLS", Course Director for Global Knowledge and President of Telecommunications Technical Services, Inc., September 10, 2001, pp. 1-7.			
	154	"Compare SANs to Alternate Technologies", Brocade, Retrieved on February 26, 2003 from <a href="http://www.brocade.com/san/evaluate/compare_san.jsp">http://www.brocade.com/san/evaluate/compare_san.jsp</a>			

Examiner Signature	Date Considered
--------------------	-----------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /NC/**



<b>Substitute for Form 1449/PTO</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/743,213
				Filing Date	December 22, 2003
				First Named Inventor:	Manav Mishra et al.
				Art Unit	2613
				Examiner Name	Nathan M. Curs
Sheet	8	of	11	Attorney Docket Number	42P16846
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
	155	KHATTAR, RAVI KUMAR et, " Introduction to Storage Area Network, SAN", International Technical Support Organization, August 1999, www.redbooks.ibm.com			
	156	SAHARA, A. et al., "Demonstration of Optical Burst Data Switching Using Photonic MPLS Routers Operated by GMPLS Signaling," OFC 2003, Vol. 1, pp. 220-222.			
	157	QIAO, C. et al., "Polymorphic Control for Cost-Effective Design of Optical Networks", European Transactions on Telecommunications, Vol. 11, No. 1, January-February 2000, pages 17-26.			
	163	BALDINE, I. et al., "Jumpstart: A Just-in-Time Signaling Architecture for WDM Burst-Switched Networks", IEEE Communications Magazine, February 2002, pp. 82-89.			
	159	COMELLAS, J. et al., "Integrated IP/WDM Routing in GMPLS-Based Optical Networks", IEEE Network, March/April 2003, pp. 22-27.			
	162	CIDON, I. et al., "Connection Establishment in High-Speed Networks", IEEE/ACM Transactions on Networking, No. 4, August 1993, pp. 469-481.			
	161	"GENERALIZED MULTIPROTOCOL LABEL SWITCHING (GMPLS)", Copyright © The International Engineering Consortium, Web ProForum Tutorials <a href="http://www.iec.org">http://www.iec.org</a> , 2005, pp. 1 – 27.			
	162	FLOYD, SALLY et al., "Modifying TCP's Congestion Control For High Speeds", May 5, 2002, pp. 1-5.			
	163	FREDJ, BEN S. et al., "Statistical Bandwidth Sharing: A Study of Congestion at Flow Level", France Telecom R&D, 2001, pp. 111 – 122.			
	164	ZELJKOVIC, NADA et al., "A Simulation Analysis of Statistical Multiplexing in Frame Relay and ATM Internworking", TELESIKS 2001, 19-21 September 2001, Nis, Yugoslavia, pp. 116 – 119.			
	165	KUMARAN, KRISHNAN et al., "Multiplexing Regulated Traffic Streams: Design and Performance", Bell Laboratories/Lucent Technologies, IEEE INFOCOM 2001, pp. 527 – 536.			

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /NC/



<b>Substitute for Form 1449/PTO</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/743,213
				Filing Date	December 22, 2003
				First Named Inventor:	Manav Mishra et al.
				Art Unit	2613
				Examiner Name	Nathan M. Curs
Sheet	9	of	11	Attorney Docket Number	42P16846
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
	166	SU, C.-F. et al., "On Statistical Multiplexing, Traffic Mixes, and VP Management", University of Texas at Austin, 1998 IEEE.			
	167	BROWN, TIMOTHY X., "ADAPTIVE STATISTICAL MULTIPLEXING FOR BROADBAND COMMUNICATION", Performance Evaluation and Application of ATM Networks, Kouvatsos, D. editor, Kluwer, 2000, pp. 51-80.			
	168	WALCH, PHILIP F., "FEC Standards and Long Haul STM-64 DWDM Transmission," Contribution to T1 Standards Project T1X1.5, 17-20 January 2000, pp. 1-4.			
	169	"ITU-T Rec. G.709/Y.133 - Interfaces for the Optical Transport Network (OTN)," International Telecommunication Union, March 2003, pp. 1-109.			
	170	HENDERSON, Michael P., "Forward Error Correction in Optical Network," March 27, 2001. <a href="http://members.cox.net/michaelo.henderson/Papers/Optical_FEC.pdf">http://members.cox.net/michaelo.henderson/Papers/Optical_FEC.pdf</a> , pp. 1-18.			
	171	WEI, Wei et al., "GMPLS-Based Hierarchical Optical Routing Switching Architecture", Proceedings of SPIE, Vol. 4585, 2001, pp. 328-334.			
	172	BANERJEE, A. et al., "Generalized Multiprotocol Label Switching: An Overview of Routing and Management Enhancements," IEEE Communications Magazine, January 2001, pp. 144-150.			

Examiner Signature	/Nathan Curs/	Date Considered	11/06/2009
--------------------	---------------	-----------------	------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.